

ATTACHMENT D:
MATERIAL DATA SAFETY SHEETS

MATERIAL SAFETY DATA SHEET

(C)

Complies with OSHA's 29 CFR
1910.1200 and State Hazard
Communication Standards.

ROCHESTER MIDLAND
P.O. BOX 1515
ROCHESTER, NY 14603-1515
(716) 336-2200

Medical Emergency Telephone (716) 266-2283

SECTION 1

PRODUCT IDENTITY: **SLIPEAZEE SB, Asphalt Release Agent**

DATE PREPARED: 2/8/93

NFPA/HMIS HAZARD CODES (minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)
Health: 1/1 Fire: 0/0 Reactivity: 0/0 Special: NA

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA-PEL	ACGIH-TLV	% BY WT.
Detergent mixture - eye irritant Tetrapotassium EDTA	Mixture 5964-35-2	None Est. None Est.	None Est. None Est.	10 max. 2 max.

Also contains water.

SECTION 3: PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F
VAPOR PRESSURE: As water
VAPOR DENSITY (air = 1): As water
SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.027
PERCENT VOLATILE: 80 (water)
EVAPORATION RATE: As water
pH: 10 - 11

APPEARANCE AND ODOR: Clear, yellow, viscous liquid; mild odor.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None (TCC) FLAMMABLE LIMITS: Not applicable
EXTINGUISHING MEDIA: As for surrounding fire (product is mostly water and will not burn).
SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 5: REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: None
INCOMPATIBILITY: Acid solutions neutralize active ingredients.
HAZARDOUS DECOMPOSITION PRODUCTS: None

FORM: MSDS 6754A (2/8/93)

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SECTION 6: HEALTH HAZARD DATA

ROUTES OF ENTRY/SIGNS AND SYMPTOMS OF EXPOSURE: ACUTE: As any detergent. Eyes: irritation. Inhalation of spray mist may irritate nose and throat. Skin: irritation or dermatitis with prolonged or repeated contact. Ingestion: low toxicity. Large amounts may cause nausea, vomiting, cramps or diarrhea.

CHRONIC EFFECTS: None known.

CARCINOGENS: None listed under OSHA, IARC, or NTP.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

EMERGENCY AND FIRST AID PROCEDURES: Eyes: rinse immediately with plenty of water for 15 minutes while lifting eyelids to ensure complete rinsing. Skin: rinse with water. Inhalation: remove to fresh air. Aid breathing if needed. Ingestion: If conscious, give water or milk to dilute. Get medical attention for ingestion, or if any irritation persists.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES: SMALL SPILLS: Rinse down drain, or mop up.

LARGE SPILLS: Dike to contain spill, reclaim all possible. Absorb remainder with inert material. Flush away residue.

WASTE DISPOSAL METHOD: Dispose of as detergent in accordance with Federal, State and local regulations.

HANDLING AND STORING: Store indoors. Keep from freezing.

OTHER PRECAUTIONS: Keep out of reach of children.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: None normally required. NIOSH approved dust or mist respirator if mist in air causes irritation.

VENTILATION: None normally required. General mechanical exhaust as needed if mist in air causes irritation.

GLOVES: Rubber or plastic as needed to avoid prolonged contact.

EYE PROTECTION: Goggles recommended when transferring concentrate.

OTHER PROTECTIVE EQUIPMENT: As needed to prevent prolonged or repeated skin contact.

WORK/HYGIENIC PRACTICES: None special.

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

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Date Prepared: 03/30/05

Date Printed: 04/08/05

MSDS No: 306.0404586-001.001

DREWFLOC 260

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: DREWFLOC 260

Product Code:

Company

Ashland

Ashland Distribution Co. &

Ashland Specialty Chemical Co.

P. O. Box 2219

Columbus, OH 43216

614-790-3333

Emergency Telephone Number:

1-800-ASHLAND (1-800-274-5263)

24 hours everyday

Regulatory Information Number:

1-800-325-3751

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
ANIONIC POLY ACRYLAMIDE		
NONIONIC POLYACRYLAMIDE		
UREA	57-13-6	

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin

May cause mild skin irritation. Symptoms may include redness and burning of skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

This material is a dust or may produce dust. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: irritation (nose, throat, airways).

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Target Organ Effects

No data

Developmental Information

There are no data available for assessing risk to the fetus from maternal exposure to this material.

Cancer Information

There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians

No data

5. FIRE FIGHTING MEASURES

Flash Point

Not applicable

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Explosive Limit

No data

Autoignition Temperature

Not applicable

Hazardous Products of Combustion

May form: ammonia, carbon dioxide and carbon monoxide, nitrogen oxides.

Fire and Explosion Hazards

Organic dusts at sufficient concentration can form explosive mixtures in air.

Extinguishing Media

regular foam (such as AFFF), water fog, carbon dioxide, dry chemical.

Fire Fighting Instructions

Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes. Wear full firefighting turn-out gear (full bunker gear), and respiratory protection (SCBA).

NFPA Rating

Health - 0, Flammability - 1, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Minimize dust. Sweep, shovel, or vacuum.

Large Spill

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material. The area should be thoroughly flushed with water and scrubbed to remove residue. If slipperiness remains, apply more dry-sweeping compound.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. This material is slippery when wet. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash before reuse. Shower after work using plenty of soap and water. Precautions during use: avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing impervious protective gloves. As with all products of this nature, good personal hygiene is essential. Hands and other exposed areas should be washed thoroughly with soap and water after contact, especially before eating and/or smoking. Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material. Prevent dust formation.

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Storage

Keep product dry in tightly closed original container when not in use. Store in a cool, dry, well-ventilated area away from heat, open flames, organic chemicals and sunlight. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Store in closed containers in a dry, well-ventilated area. Store at temperatures between 40 degrees F (5 degrees C) and 90 degrees F (30 degrees C) to maintain stability of the product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Eye Protection**

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves (consult your safety equipment supplier). Wear normal work clothing covering arms and legs.

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines**Component****ANIONIC POLY ACRYLAMIDE**

No exposure limits established

NONIONIC POLYACRYLAMIDE

No exposure limits established

UREA (57-13-6)

AIHA WEEL 10.000 mg/m3 - TWA

9. PHYSICAL AND CHEMICAL PROPERTIES**Boiling Point**

No data

Vapor Pressure

(for product) 1.000 @ F

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Specific Vapor Density
Not applicable**Specific Gravity**
Not applicable**Liquid Density**
Not applicable**Percent Volatiles**
Not applicable**Evaporation Rate**
Not applicable**Appearance**
POWDER**State**
SOLID**Physical Form**
POWDER**Color**
WHITE**Odor**
NONE**pH**
Not applicable**Solubility in Water**
5%**10. STABILITY AND REACTIVITY****Hazardous Polymerization**
Product will not undergo hazardous polymerization.**Hazardous Decomposition**
May form: ammonia, carbon dioxide and carbon monoxide, nitrogen oxides.**Chemical Stability**
Stable.**Incompatibility**
Avoid contact with: aluminum, copper, iron, strong oxidizing agents.

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11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

Ecotoxicological Information

This mixture has not been specifically tested.

13. DISPOSAL CONSIDERATION

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-637-7922.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description:

NON-REGULATED BY D.O.T.

Container/Mode:

55 GAL DRUM/TRUCK PACKAGE

NOS Component:

None

RQ (Reportable Quantity) - 49 CFR 172.101

Not applicable

Other Transportation Information

The Transport Information may vary with the container and mode of shipment.

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

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CERCLA RQ - 40 CFR 302.4(a)

None

SARA 302 Components - 40 CFR 355 Appendix A

None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate() Delayed() Fire() Reactive() Sudden Release of Pressure()

SARA 313 Components - 40 CFR 372.65

None

OSHA Process Safety Management 29 CFR 1910

None listed

EPA Accidental Release Prevention 40 CFR 68

None listed

International Regulations

Inventory Status

Not determined

State and Local Regulations

California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer.

ACRYLAMIDE

LEAD

ARSENIC

CADMIUM

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause reproductive harm.

LEAD

ARSENIC

CADMIUM

MERCURY

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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